

IN THE CLAIMS:

Please cancel claims 3, 4, 6, 19, 20, 22, 23, 33 and 37 without prejudice or disclaimer.

Please amend claims 1, 2, 5, 7-18, 21, 24-32, 34-36, 38 and 39 as follows:

Claim 1 (Currently Amended): A device for collecting biometric data, ~~in particular finger prints~~, the device ~~having~~ comprising

an optically active detector for recording ~~the~~ a surface of a body ~~areas~~ area,

a light source for producing a beam path of light,

~~characterised in that~~ a mirror located in the beam path ~~(7)~~ between the surface ~~(33) of the body area~~ and the detector ~~(1) a mirror (2) is provided, the mirror being~~ a conical ring-shaped mirror for data collection of approximately 180°.

Claim 2 (Currently Amended): The device according to claim 1, ~~characterised in that~~ wherein the mirror ~~(2)~~ is ~~designed~~ either curved or bent; ~~in particular like a U (21) or~~ a half-ring.

Claims 3-4 (Cancelled)

Claim 5 (Currently Amended): The device according to claim 1, ~~characterised in that~~
~~the~~ wherein a partial surface (32) of the surface (33) ~~which can be~~ scanned by the
mirror (2) is small in ~~the~~ relation to ~~the~~ a complete surface (33) of the body part (3)
~~which has~~ area to be recorded.

Claim 6 (Cancelled)

Claim 7 (Currently Amended): The device according to claim 1, ~~characterised in that~~
as wherein ~~illumination (5)~~ the light source is a green light source ~~is provided~~.

Claim 8 (Currently Amended): The device according to claim 1 ~~7~~, ~~characterised in~~
~~that~~ wherein the ~~illumination (5)~~ light source is arranged below the body region (3)
area.

Claim 9 (Currently Amended): The device according to claim 1 ~~8~~, ~~characterised in~~
~~that~~ wherein the ~~illumination (5)~~ light source is stripe-like, ~~in particular designed as~~
an LED array (50).

Claim 10 (Currently Amended): The device according to claim 1, ~~characterised by~~
wherein the mirror is a semipermeable mirror (2) designed as a partial mirror for
introducing the light ~~of an illumination (5)~~ into the beam path (7).

Claim 11 (Currently Amended): The device according to claim ~~1~~ 5, ~~characterised in~~
~~that the~~ wherein a path of rays between the mirror (2) and the detector (1) is either
parallel to or acute with respect to the a longitudinal extension (34) of the body region
(3) which has area to be recorded.

Claim 12 (Currently Amended): The device according to claim 1, ~~characterised in that~~
wherein in the beam path (7) between the ~~surface (33) and the detector (1),~~ in
~~particular between~~ mirror (2) and the detector (1), an objective (10) is provided.

Claim 13 (Currently Amended): The device according to claim ~~1~~ 12, ~~characterised in~~
~~that the~~ wherein a magnification of the objective is chosen ~~in such a way~~ so that ~~the~~
a local element ~~which has to be defined on the body~~ surface of the body area is
imaged at least on one ~~element (pixel)~~ of the detector.

Claim 14 (Currently Amended): The device according to claim 1, ~~characterised by~~
further comprising a telecentric imaging of the body area.

Claim 15 (Currently Amended): The device according to claim ~~1~~ 12, ~~characterised by~~
wherein a front lens of the objective ~~which~~ corresponds at least to ~~the~~ a size of the
~~object~~ body area.

Claim 16 (Currently Amended): The device according to claim ~~1~~ 15, ~~characterised by~~
wherein the front lens is a rectangular front lens.

Claim 17 (Currently Amended): The device according to claim 1, ~~characterised by a~~
~~relative movement (4) between~~ wherein the mirror is movable with respect to the
~~body region (3) and at least the mirror (2) area.~~

Claim 18 (Currently Amended): The device according to claim ~~1~~ 17, ~~characterised by~~
~~a relative movement (4) either parallel or~~ wherein the mirror is movable essentially
parallel to ~~the~~ a longitudinal extension (~~34~~) of the body ~~region (3) which has~~ area to
be recorded.

Claims 19-20 (Cancelled)

Claim 21 (Currently Amended): The device according to claim ~~1~~ 12, characterised in that wherein the detector (1) and the mirror (2) as well as, if necessary, the objective are combined as a sensor head, and the sensor head ~~can move, in particular move linear~~ is moved linearly.

Claims 22-23 (Cancelled)

Claim 24 (Currently Amended): ~~A~~ The collection arrangement according to claim ~~23~~ 40, characterised in that wherein the spreading device (80) is ~~designed as stoppers (82), in particular as cylindrical stoppers, which have to be arranged between the body regions, in particular the fingers (30) of a hand (35); and the mirrors of the device are located below the body regions, respectively the fingers.~~

Claim 25 (Currently Amended): The collection arrangement according to claim ~~23~~ 24, characterised in that wherein the spreading device (80) effects a spreading of the fingers of a hand introduced into the collection arrangement of ~~10° to 20° each, preferably~~ to about 15°; between two adjacent fingers (30).

Claim 26 (Currently Amended): The collection device according to claim 23 ~~40~~, characterised in that the collection arrangement (8) has further comprising a supporting surface (80) in which slots or openings with optically transparent covers are provided, and the mirrors (2) are each arranged in ~~the~~ a region of the slot; ~~respectively in an~~ in an indentation.

Claim 27 (Currently Amended): The collection arrangement according to claim 23 ~~26~~, characterised in that wherein the supporting surface (80) forms grooves for receiving fingers (30), ~~respectively the palm~~, and ~~the~~ an arrangement of the ~~grooves~~ grooves effect a the spreading device.

Claim 28 (Currently Amended): The collection arrangement according to claim 23 ~~40~~, characterised in that wherein two, ~~in particular~~ adjacent; devices (9) share an objective.

Claim 29 (Currently Amended): The collection arrangement according to claim 23 ~~40~~, characterised in that wherein for each finger (30) an individual, movable sensor head is provided, and adjacent sensor heads ~~can each~~ move in ~~the~~ an opposite direction ~~of~~ with respect to each other.

Claim 30 (Currently Amended): The collection arrangement according to claim 23 ~~40, characterised in that~~ wherein for each finger ~~(30)~~ an individual, movable sensor head is provided, and each sensor head is movable longitudinally, ~~in particular in the~~ a direction of the a longitudinal extension of the respective finger.

Claim 31 (Currently Amended): The collection arrangement according to claim 23 ~~40, characterised by~~ further comprising a locking arrangement of ~~the hand and/or the~~ individual fingers ~~on or in the collection arrangement by the spreading device.~~

Claim 32 (Currently Amended): A method for collecting biometric data, ~~for example~~ a finger print, where a detector records said method comprising

introducing a bent mirror in a light beam path between a surface of a body region and a detector,

recording at least one picture of a first cylinder-shaped partial surface of the surface of the body region by the detector ~~which has to be recorded, after that occurs~~ a relative movement between

relatively moving the detector and the body region, and ~~after that the detector~~ records

recording at least one picture of a second cylinder-shaped partial surface of the surface of the body region ~~which has to be recorded~~.

Claim 33 (Cancelled)

Claim 34 (Currently Amended): The method according to claim 32, ~~characterised in that~~ wherein the relative movement is carried out either parallel or essentially parallel to ~~the~~ a longitudinal extension of the body ~~part~~ region.

Claim 35 (Currently Amended): The method according to claim 32, ~~characterised in that~~ wherein the detector files the picture recorded from the partial surfaces correlated in their order in a storage.

Claim 36 (Currently Amended): The method according to claim ~~32~~ 35, ~~characterised in that~~ wherein the picture of the first and the second partial surface overlap at least partly.

Claim 37 (Cancelled)

Claim 38 (Currently Amended): The method according to claim ~~32~~ 35, characterised ~~in that~~ wherein in a picture processing module the pictures filed in the storage are combined to a three-dimensional image of the recorded surfaces.

Claim 39 (Currently Amended): The method according to claim ~~32~~ 38, characterised ~~in that~~ wherein the picture processing module equalises at least one of the three-dimensional image and/or and the single pictures.

Please add new claim 40 as follows:

Claim 40 (New): A collection arrangement for collecting biometric data, the collection arrangement comprising

at least one optically active detector for recording a surface of a body area,

a light source for producing a beam path of light,

a mirror located in the beam path between the surface of the body area and the detector,

the at least one detector including a first device for recording a first body region and a second device for recording a second body region, and

a spreading device for spreading apart body areas in such a way that lateral recordings of the body areas are possible by the at least one detector.